## EAST Search History

| Ref # | Hits | Search Query   | DBs                            | Default<br>Operator | Plurals | Time Stamp          |
|-------|------|--|--------------------------------|---------------------|---------|---------------------|
| S1    | 3    | (dicobalt adj octacarbonyl) (iron adj salt) same (liga\$3)   | US-PGPUB;<br>USPAT;<br>DERWENT | AND                 | ON      | 2008/05/29<br>16:29 |
| S2    | 20   | (dicobalt adj octacarbonyl) iron<br>same (liga\$3) (iron near (salt or<br>\$5carbonyl or organo\$1metallic or<br>(organo adj metallic))) | US-PGPUB;<br>USPAT;<br>DERWENT | AND                 | ON      | 2008/05/29<br>16:44 |
| S3    | 666  | (feco or fe?co) catalyst   | US-PGPUB;<br>USPAT;<br>DERWENT | AND                 | ON      | 2008/05/29<br>17:10 |
| S4    | 666  | (feco or fe?co) catalyst   | US-PGPUB;<br>USPAT;<br>DERWENT | AND                 | ON      | 2008/06/02<br>09:36 |
| S5    | 140  | S4 and \$6carbonyl   | US-PGPUB;<br>USPAT;<br>DERWENT | AND                 | ON      | 2008/06/02<br>09:36 |
| S6    | 9    | ("3332749"   "4126752").PN. OR<br>("4320230").URPN.  | US-PGPUB;<br>USPAT; USOCR      | AND                 | ON      | 2008/06/02<br>09:43 |
| S7    | 2    | ("4518707").PN. OR ("4624967").<br>URPN.   | US-PGPUB;<br>USPAT; USOCR      | AND                 | ON      | 2008/06/02<br>10:41 |
| S8    | 12   | ("2662090"   "2686195"  <br>"2735862"   "2850515"  <br>"4154751").PN. OR ("4532229").<br>URPN.   | US-PGPUB;<br>USPAT; USOCR      | AND                 | ON      | 2008/06/02<br>10:47 |
| S9    | 9    | ("2593440"   "2730546"  <br>"2789137"   "2805248"  <br>"3989751").PN. OR ("4511517").<br>URPN.   | US-PGPUB;<br>USPAT; USOCR      | AND                 | ON      | 2008/06/02<br>10:48 |
| S10   | 6    | ("3332749"   "3856856").PN. OR<br>("4408069").URPN.  | US-PGPUB;<br>USPAT; USOCR      | AND                 | ON      | 2008/06/02<br>10:50 |
| S11   | 1301 | 502/150.ccls.  | US-PGPUB;<br>USPAT; USOCR      | AND                 | ON      | 2008/06/02<br>11:39 |
| S12   | 2423 | 502/152.ccls.  | US-PGPUB;<br>USPAT; USOCR      | AND                 | ON      | 2008/06/02<br>11:40 |
| S13   | 416  | 502/153.ccls.  | US-PGPUB;<br>USPAT; USOCR      | AND                 | ON      | 2008/06/02<br>11:40 |
| S14   | 936  | 502/154.ccls.  | US-PGPUB;<br>USPAT; USOCR      | AND                 | ON      | 2008/06/02<br>11:40 |
| S15   | 1622 | 502/155.ccls.  | US-PGPUB;<br>USPAT; USOCR      | AND                 | ON      | 2008/06/02<br>11:40 |
| S16   | 2145 | 502/167.ccls.  | US-PGPUB;<br>USPAT; USOCR      | AND                 | ON      | 2008/06/02<br>11:40 |
| S17   | 1429 | 502/162.ccls.  | US-PGPUB;<br>USPAT; USOCR      | AND                 | ON      | 2008/06/02<br>11:40 |
| S19   | 258  | S12 and cobalt same iron   | US-PGPUB;<br>USPAT; USOCR      | AND                 | ON      | 2008/06/02<br>12:39 |

| <b>S3</b> 5 | 6    | "3332749"   | US-PGPUB;<br>USPAT;                 | AND | ON | 2008/06/04<br>11:04 |
|-------------|------|---|-------------------------------------|-----|----|---------------------|
| S34         | 47   | \$.DID. OR US-3687981-\$.DID. OR  | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | AND | ON | 2008/06/04<br>10:55 |
| <b>S3</b> 3 | 2373 | S32 and catalyst  | US-PGPUB;<br>USPAT;<br>DERWENT      | AND | ON | 2008/06/03<br>10:02 |
| <b>S</b> 32 | 2409 | iron and cobalt and ((syngas or<br>(synthesis adj gas)) with ((co near<br>"h.sub.2") or ((carbon adj<br>monoxide) near3 hydrogen))) | US-PGPUB;<br>USPAT;<br>DERWENT      | AND | ON | 2008/06/03<br>10:01 |
| S29<br>     | 6    | ("4800188" or "5345008" or "5672778").pn.   | US-PGPUB;<br>USPAT;<br>DERWENT      | AND | ON | 2008/06/02<br>17:35 |
| S28         | 8    | S26 and \$5carbonyl   | US-PGPUB;<br>USPAT;<br>DERWENT      | AND | ON | 2008/06/02<br>17:32 |
| S27         | 22   | S26 and catalyst  | US-PGPUB;<br>USPAT;<br>DERWENT      | AND | ON | 2008/06/02<br>17:32 |
| S26         | 23   | octaethylporph\$ same iron cobalt   | US-PGPUB;<br>USPAT;<br>DERWENT      | AND | ON | 2008/06/02<br>17:32 |
| S25         | 66   | S24 and catalyst  | US-PGPUB;<br>USPAT;<br>DERWENT      | AND | ON | 2008/06/02<br>17:32 |
| S24         | 94   | octaethylporph\$ iron cobalt  | US-PGPUB;<br>USPAT;<br>DERWENT      | AND | ON | 2008/06/02<br>17:32 |
| 523         | 4    | iron with acetate with octaethyl  | US-PGPUB;<br>USPAT; USOCR           | AND | ON | 2008/06/02<br>13:43 |
| 522         | 4    | iron with acetate with octaethyl with porphine  | US-PGPUB;<br>USPAT; USOCR           | AND | ON | 2008/06/02<br>13:42 |
| 521         | 212  | (S13 or S14 or S15 or S16 or S17 or S11) and (cobalt and iron).ab,clm.  | US-PGPUB;<br>USPAT; USOCR           | AND | ON | 2008/06/02<br>13:19 |
| S20         | 55   | S12 and (cobalt and iron).ab,clm.   | US-PGPUB;<br>USPAT; USOCR           | AND | ON | 2008/06/02<br>13:14 |

| S36 | 3    | "3332749".pn   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/04<br>11:04 |
|-----|------|--|--------------------------------|-----|----|---------------------|
| S37 | 4    | ("4126752"   "4386009"  <br>"4393255").PN. OR ("4650911").<br>URPN.  | US-PGPUB;<br>USPAT; USOCR      | AND | ON | 2008/06/04<br>11:40 |
| S38 | 234  | ((JOHN) near2 (KNIFTON)).INV.  | US-PGPUB;<br>USPAT             | AND | ON | 2008/06/04<br>14:34 |
| S39 | 46   | S38 and cobalt and iron  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/04<br>14:43 |
| S40 | 2    | "4,705,903".pn.  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/04<br>14:45 |
| S41 | 27   | ("2854487"   "2993072"  <br>"3360584"   "3624165"   "3914295"<br>  "3928452"   "4112004"  <br>"4123616"   "4219685"   "4523928"<br>  "4547598").PN. OR ("4705903").<br>URPN. | US-PGPUB;<br>USPAT; USOCR      | AND | ON | 2008/06/04<br>14:46 |
| S42 | 340  | (cofe or co?fe) catalyst   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/04<br>14:52 |
| S43 | 95   | (cofe or co?fe) catalyst.ab.   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/04<br>14:54 |
| S44 | 71   | S43 and cobalt   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/04<br>15:24 |
| S45 | 4908 | iron cobalt chelate catalyst   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/04<br>15:34 |
| S46 | 666  | S45 and (heterogeneous or cocatalyst or bimetallic)  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/04<br>15:34 |
| S47 | 450  | S46 and ligand   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/04<br>15:35 |
| S48 | 0    | S46 and porphorine   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/04<br>15:35 |
| S49 | 117  | S46 and porphyrin  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/04<br>15:35 |
| S50 | 212  | iron cobalt.ab. chelate catalyst   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/04<br>15:37 |
| S51 | 33   | S50 and (heterogeneous or cocatalyst or bimetallic)  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/04<br>15:37 |
| S52 | 1061 | iron cobalt chelate catalyst ab.   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/04<br>15:39 |

| S53         | 261 | S52 and (heterogeneous or cocatalyst or bimetallic)  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/04<br>15:39 |
|-------------|-----|--|--------------------------------|-----|----|---------------------|
| S54         | 59  | S53 and (porphyrin or pthalocyanine or porphorine)   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/04<br>15:40 |
| S55         | 134 | S53 and phosphine  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/04<br>15:40 |
| S56         | 135 | S53 and (phosphine or diphosphine)   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/04<br>16:16 |
| S57         | 24  | ("4268454").UR <b>PN</b> .   | USPAT                          | AND | ON | 2008/06/04<br>16:25 |
| S58         | 5   | ("4302611").UR <b>PN</b> .   | USPAT                          | AND | ON | 2008/06/04<br>16:26 |
| S59         | 0   | (feco or fe?co) with catalyst and (iron or cobalt) adj carboxylate   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/05<br>10:24 |
| <b>S</b> 60 | 0   | (feco or fe?co) with catalyst and (iron or cobalt) with carboxylate  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/05<br>10:25 |
| S61         | 0   | (feco or fe?co) with catalyst and ((iron or cobalt) with carboxylate)  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/05<br>10:26 |
| S62         | 0   | ((feco or fe?co) with catalyst) and ((iron or cobalt) with carboxylate)  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/05<br>10:26 |
| S63         | 3   | ((feco or fe?co or cofe or co?fe) with catalyst) and ((iron or cobalt) with carboxylate)   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/05<br>10:26 |
| S64         | 32  | ((feco or fe?co or cofe or co?fe) with catalyst) and ((iron or cobalt) with nitrate)   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/05<br>10:30 |
| S65         | 31  | ("3401193"   "3864216"   "3879467"   "3925316"   "4022034"   "4173587"   "4257852"   "4296262"   "4551553"   "4803187"   "4859798"   "4895680"   "4895682"   "4898989"   "4900871"   "4910349"   "4912266"   "4912267"   "4916101"   "4922033"   "4922034"   "4922035"   "4922036"   "4970348"   "4978799"   "4992602"   "5004837").PN. OR ("5345008").URPN. | US-PGPUB;<br>USPAT; USOCR      | AND | ON | 2008/06/05<br>12:18 |
| S66         | 13  | ("3816548"   "3992432").PN. OR<br>("4978799").URPN.  | US-PGPUB;<br>USPAT; USOCR      | AND | ON | 2008/06/05<br>12:30 |
| S67         | 0   | ((feco or fe?co or cofe or co?fe) with catalyst) and ((iron or cobalt) with pthalocyanine)   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/05<br>12:36 |

| S68 | 6    | ((feco or fe?co or cofe or co?fe) with catalyst) and ((iron or cobalt) same (porphyrin or metalloporphyrin))                   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/05<br>12:38 |
|-----|------|--|--------------------------------|-----|----|---------------------|
| S69 | 9    | ((feco or fe?co or cofe or co?fe) with catalyst) and iron and cobalt and (porphyrin or metalloporphyrin)                       | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/05<br>12:46 |
| S70 | 1558 | catalyst and iron same cobalt and (porphyrin or metalloporphyrin)  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/05<br>14:59 |
| S71 | 328  | S70 and (heterogeneous or cocatalyst or bimetallic)  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/05<br>15:00 |
| S72 | 194  | S71 and catalyst.ab.   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/05<br>15:00 |
| S73 | 27   | ((feco or fe?co or cofe or co?fe)<br>with catalyst) and (iron or cobalt)<br>and (ligand or ligated)                            | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/05<br>15:31 |
| S74 | 2    | "3917737".pn. and (iron same cobalt)   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/05<br>16:07 |
| S75 | 15   | phospholan? iron catalyst.ab.  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/06<br>09:10 |
| S76 | 89   | \$phospholan? iron catalyst.ab.  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/06<br>09:11 |
| S77 | 116  | (\$phospholan? or \$phosphole\$3) ligand iron catalyst.ab.   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/06<br>09:49 |
| S78 | 239  | (\$phosphol\$5) ligand iron catalyst. ab.  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/06<br>09:50 |
| S79 | 201  | S78 and cobalt   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/06<br>10:13 |
| S90 | 35   | diazine (ligand or chelate) iron catalyst.ab.  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/06<br>11:19 |
| S91 | 5429 | (ligand or ligated or chelat\$3) ((iron or Fe or ferric or ferrous) with (cobalt or Co or cobaltous or cobaltic)) catalyst.ab. | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/06<br>13:01 |
| S92 | 2    | "5223631".pn.  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/06<br>13:11 |
| S93 | 216  | S91 bimetallic   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/06<br>13:37 |
| S94 | 1145 | S91 heterogeneous not bimetallic   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/06<br>15:18 |

| S95  | 15   | S94 macrocycle   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/06<br>15:19 |
|------|------|--|--------------------------------|-----|----|---------------------|
| S96  | 4    | cotmpp fetmpp catalyst.ab.   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/06<br>15:25 |
| S97  | 5    | ("4613551").URPN.  | USPAT                          | AND | ON | 2008/06/06<br>15:26 |
| S98  | 16   | (cotmpp or cotpp or cotaa or (cobalt adj pthalocyanine)) (fetmpp or fetpp or fetaa or (iron pthalocyanine)) catalyst.ab.       | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/06<br>15:29 |
| S102 | 12   | (cotmpp or cotpp or cotaa or (cobalt adj pthalocyanine)) (fetmpp or fetpp or fetaa or (iron adj pthalocyanine)) catalyst.ab.   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/06<br>15:58 |
| S103 | 1131 | binary metallop\$  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/06<br>16:07 |
| S104 | 256  | S103 catalyst  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/06<br>16:07 |
| S105 | 47   | I S104 and cobalt and iron   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/06<br>16:07 |
| S106 | 58   | S104 and cobalt and iron   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/06<br>16:08 |
| S107 | 1    | jp-59138066-\$.did.  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/06<br>16:16 |
| S108 | 108  | (cotmpp or cotpp or cotaa or (cobalt adj phthalocyanine)) (fetmpp or fetpp or fetaa or (iron adj phthalocyanine)) catalyst.ab. | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/06<br>16:21 |
| S109 | 152  | iron cobalt diazine ligand   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>09:08 |
| S110 | 3    | iron cobalt dtbdb ligand   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>09:33 |
| S111 | 0    | iron cobalt (butyldaizobutadeine)<br>ligand  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>09:34 |
| S112 | 3    | iron cobalt (butyldiazobutadiene)<br>ligand  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>09:35 |
| S113 | 3    | iron cobalt (butyl\$1diazo<br>\$1butadiene) ligand   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>09:35 |
| S114 | 0    | iron cobalt (butyl adj diazo<br>\$1butadiene) ligand   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>09:35 |

| S115 | 0    | iron cobalt (butyl adj diazo adj<br>butadiene) ligand   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>09:35 |
|------|------|---|--------------------------------|-----|----|---------------------|
| S116 | 2758 | iron cobalt (pyrimidine or pyrazine<br>or pyridazine or quinazoline or<br>quinoxaline) ligand | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>09:38 |
| S117 | 2351 | iron cobalt pyrimidine ligand   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>09:39 |
| S118 | 1358 | S116 and catalyst   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>09:39 |
| S119 | 299  | S116 and catalyst ab  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>09:39 |
| S120 | 137  | iron cobalt (coal adj tar) ligand   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>09:59 |
| S121 | 8    | iron cobalt (coal adj tar) same<br>ligand   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>10:00 |
| S122 | 13   | (coal adj tar) same (quinoline with (homologue or homologous))                                | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>10:01 |
| S126 | 11   | fe near oep   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>14:35 |
| S127 | 4    | iron with octaethyl with porphorine with acetate  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>14:38 |
| S128 | 4    | octaethyl with porphorine with acetate  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>14:38 |
| S129 | 16   | octaethyl with porphyrin with acetate   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>14:39 |
| S131 | 491  | octaethylporphyrin  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>14:45 |
| S132 | 105  | octaethylporphyrin iron acetate   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>14:45 |
| S133 | 151  | octaethylporphyrin iron   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>15:13 |
| S134 | 94   | S133 catalyst   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>15:13 |
| S135 | 2    | ("4224235"   "4600726").PN. OR<br>("4724241").URPN.   | US-PGPUB;<br>USPAT; USOCR      | AND | ON | 2008/06/09<br>15:15 |
| S136 | 4    | octaethylporphyrinatoiron or octaethylporphyrinato adj iron                                   | US-PGPUB;<br>USPAT; USOCR      | AND | ON | 2008/06/09<br>15:28 |

| S137          | 2351 | iron cobalt pyrimidine ligand   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>16:44 |
|---------------|------|---|--------------------------------|-----|----|---------------------|
| S138          | 254  | S137 catalyst.ab.   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>16:48 |
| S139          | 69   | S137 bimetallic   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>16:48 |
| S140          | 489  | S137 heterogeneous  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>16:52 |
| S141          | 79   | S137 heterogeneous near4 catalyst   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>16:52 |
| S142          | 214  | iron same cobalt catalyst<br>quinazoline ligand   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>17:22 |
| S143          | 44   | iron same cobalt catalyst.ab.<br>quinazoline ligand   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>17:22 |
| S144          | 7    | iron same cobalt catalyst.ab.<br>quinazoline ligand cocatalyst  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>17:24 |
| S145          | 34   | iron same cobalt catalyst.ab.<br>pyrimidine ligand cocatalyst   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>17:25 |
| S146          | 6885 | fe\$1co   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>17:27 |
| S147          | 6888 | fe\$1co or co\$1fe catalyst.ab.<br>pyrimidine   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>17:27 |
| S148          | 114  | S147 ligand   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>17:27 |
| S149          | 7    | (fe\$1co or co\$1fe) catalyst.ab. and pyrimidine  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>17:33 |
| S1 <b>5</b> 0 | 7    | (fe\$1co or co\$1fe) catalyst.ab. and pyrimidine and ligand   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>17:33 |
| S151          | 7    | (fe\$1co or co\$1fe) catalyst.ab. and (pyrimidine or pyrazine or pyridazine or quinazoline or quinoxaline) and ligand | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>17:34 |
| S152          | 289  | (fe\$1co or co\$1fe) catalyst.ab.   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>17:35 |
| S153          | 33   | (fe\$1co or co\$1fe) catalyst.ab.<br>ligand   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>17:35 |

| S154 | 3   | ("4532229").UR <b>PN</b> .                                    | USPAT                          | AND | ON | 2008/06/09<br>17:36 |
|------|-----|---|--------------------------------|-----|----|---------------------|
| S155 | 3   | S153 and heterocycle  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>17:39 |
| S156 | 111 | iron catalyst.ab. and pyrimidine same ligand                  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>17:47 |
| S157 | 92  | iron catalyst.ab. and pyrimidine same ligand cobalt           | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/09<br>17:47 |
| S158 | 310 | iron catalyst.ab. and diimine same ligand cobalt              | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/10<br>09:03 |
| S159 | 133 | (iron?cobalt or cobalt?iron) catalyst.<br>ab.                 | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/10<br>09:53 |
| S160 | 16  | S159 and ligand   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/10<br>09:53 |
| S161 | 2   | S159 and chelate  | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/10<br>10:05 |
| S162 | 6   | (advances in organometallic chemistry)                        | US-PGPUB;<br>USPAT;<br>DERWENT | ADJ | ON | 2008/06/10<br>10:11 |
| S163 | 6   | Advances in Organometallic<br>Chemistry                       | US-PGPUB;<br>USPAT;<br>DERWENT | ADJ | ON | 2008/06/10<br>10:16 |
| S164 | 421 | Advances Organometallic Chemistry                             | US-PGPUB;<br>USPAT;<br>DERWENT | ADJ | ON | 2008/06/10<br>10:17 |
| S165 | 2   | (Advances Organometallic<br>Chemistry) with "18" with "207"   | US-PGPUB;<br>USPAT;<br>DERWENT | ADJ | ON | 2008/06/10<br>10:17 |
| S166 | 5   | iron catalyst.ab. ligand cobalt<br>(methylimino adj pyridine) | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/10<br>10:30 |
| S167 | 5   | iron catalyst.ab. ligand (methylimino<br>adj pyridine)        | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/10<br>10:31 |
| S168 | 147 | iron catalyst.ab. ligand cobalt (terpyridine or tripyridyl)   | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2008/06/10<br>10:36 |

| S169 | 47  | US-3463819-\$.DID. OR US-3456017- \$.DID. OR US-3687981-\$.DID. OR US-5256827-\$.DID. OR US-5344993- \$.DID. OR US-5459299-\$.DID. OR US-5463144-\$.DID. OR US-5463145- \$.DID. OR US-5463146-\$.DID. OR US-5304691-\$.DID. OR US-5545765- \$.DID. OR US-5545766-\$.DID. OR US-5545767-\$.DID. OR US-5563302- \$.DID. OR US-5689016-\$.DID. OR US-5304686-\$.DID. OR US-6469222- \$.DID. OR US-6468940-\$.DID. OR US-6706656-\$.DID. OR US-6576802- \$.DID. OR US-6753289-\$.DID. OR US-6586643-\$.DID. OR US-6903044- \$.DID. OR US-6545190-\$.DID. OR US-4408069-\$.DID. OR US-4650911- \$.DID. OR US-5684214-\$.DID. | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | AND | ON | 2008/06/12<br>10:04 |
|------|-----|---|-------------------------------------|-----|----|---------------------|
| S170 | 7   | S169 and iron   | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | AND | ON | 2008/06/12<br>10:04 |
| S171 | 54  | iron cobalt Quinaldine ligand   | US-PGPUB;<br>USPAT;<br>DERWENT      | AND | ON | 2008/06/12<br>11:38 |
| S172 | 45  | S171 catalyst   | US-PGPUB;<br>USPAT;<br>DERWENT      | AND | ON | 2008/06/12<br>11:39 |
| S173 | 10  | S171 catalyst.ab.   | US-PGPUB;<br>USPAT;<br>DERWENT      | AND | ON | 2008/06/12<br>11:39 |
| S174 | 218 | iron cobalt hydroxypyridine ligand  | US-PGPUB;<br>USPAT;<br>DERWENT      | AND | ON | 2008/06/12<br>11:50 |
| S175 | 28  | iron cobalt hydroxypyridine same<br>ligand  | US-PGPUB;<br>USPAT;<br>DERWENT      | AND | ON | 2008/06/12<br>11:50 |
| S176 | 36  | S174 catalyst.ab.   | US-PGPUB;<br>USPAT;<br>DERWENT      | AND | ON | 2008/06/12<br>11:50 |
| S177 | 0   | S176 and "2-pyridine"   | US-PGPUB;<br>USPAT;<br>DERWENT      | AND | ON | 2008/06/12<br>11:54 |
| S178 | 0   | S176 and "2"?pyridine   | US-PGPUB;<br>USPAT;<br>DERWENT      | AND | ON | 2008/06/12<br>11:54 |
| S179 | 24  | S176 and "2-hydroxypyridine"  | US-PGPUB;<br>USPAT;<br>DERWENT      | AND | ON | 2008/06/12<br>11:55 |
| S180 | 9   | S176 and "3-hydroxypyridine"  | US-PGPUB;<br>USPAT;<br>DERWENT      | AND | ON | 2008/06/12<br>11:55 |

6/16/2008 10:47:06 **AM** 

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